

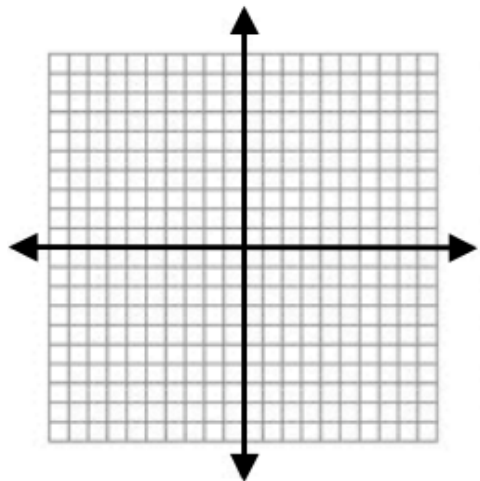
Name _____

Hour _____

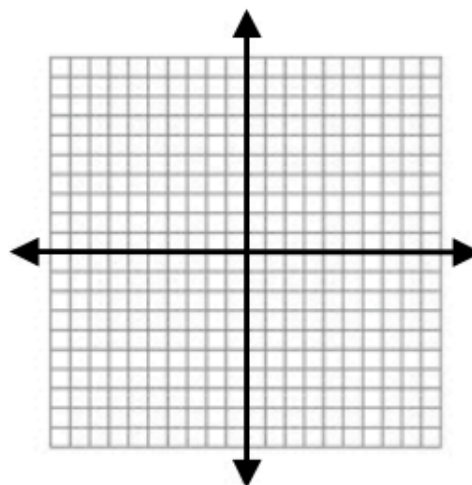
PYTHAGOREAN THEOREM DAY 3

Plot the ordered pairs and find the distance between the two ordered pairs. **SHOW ALL YOUR WORK!** Round answers to the nearest hundredth if necessary!

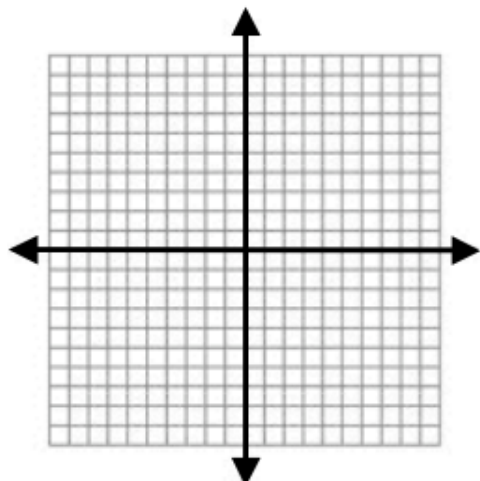
1. $(9, 4)$ & $(-3, -5)$



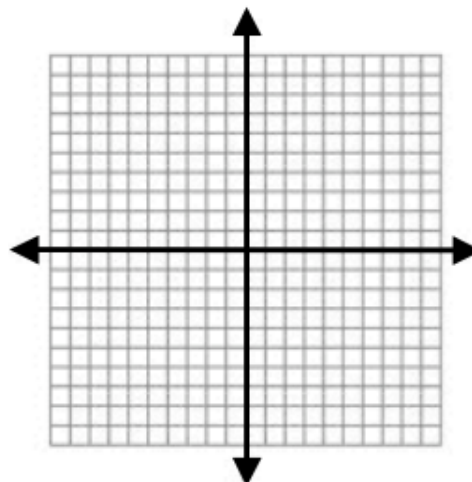
2. $(0, 5)$ & $(-7, 0)$



3. $(2, 2)$ & $(0, 0)$

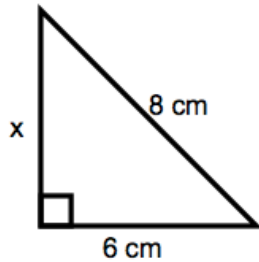


4. $(5, 10)$ & $(-4, -6)$

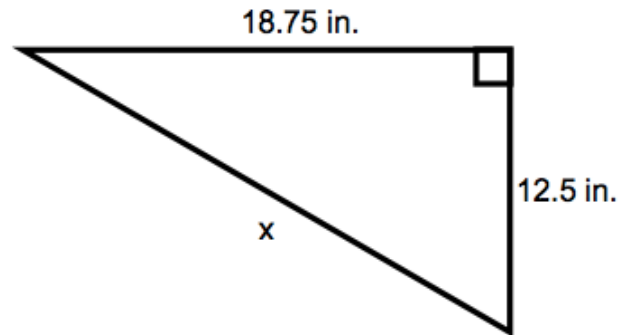


Solve for the unknown side. **SHOW ALL YOUR WORK!** Round answers to the nearest hundredth if necessary!

5.



6.



Draw a right triangle to match the description and solve for the unknown side. Round answers to the nearest hundredth if necessary!

7. Darryl is playing hide-and-seek with Scarlett and Clayton. Scarlett is hiding 15 meters south of Darryl, and Clayton is hiding 8 meters east of Scarlett. How far apart are Darryl and Clayton?

8. A right triangle has a leg of 16 cm and a hypotenuse of 27 cm. Find the PERIMETER of the right triangle.

9. Three ballet dancers are positioned on stage. If Rylie is 6 meters straight behind Sondos and 8 meters directly left of Julie, how far is Sondos from Julie?

10. To get to the mall from your house you have to go 3 miles north and 6.5 miles east. How far away from the mall do you live?